

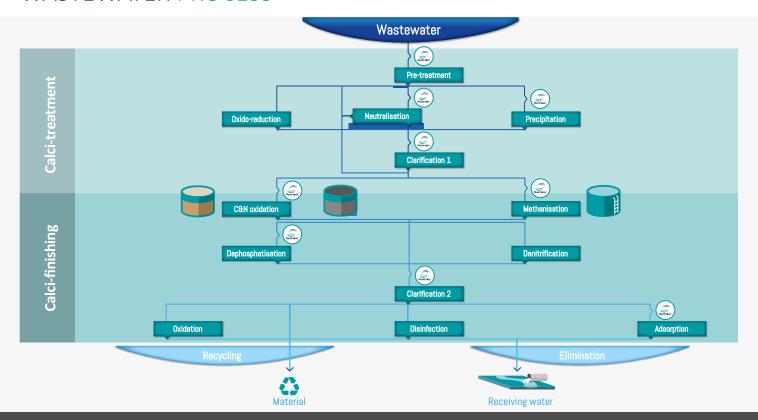


WASTEWATER & SLUDGE TREATMENT



SOLUTIONS FOR ALL

WASTEWATER PROCESS

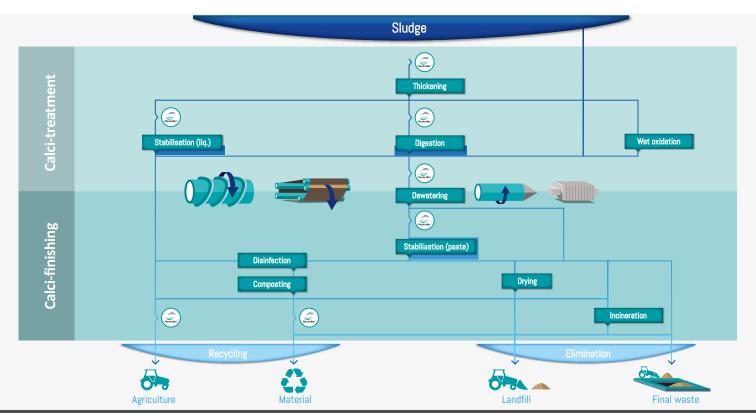


Wastewater treatment is the process of removing contaminants from wastewater. It includes physical, chemical and biological processes to eliminate pollutants. Once treated, water can then be released back into nature or recycled. The Neutralac® offer provides you with specific solutions to optimize the wastewater treatment of municipal purification plants as well as industrial sites.



WASTEWATER & SLUDGE

SLUDGE PROCESS



The sludge accumulated in a wastewater treatment process must be treated and disposed of in a safe and effective manner. Which sludge treatment methodology to use depends upon the amount of sludge generated and other site-specific conditions. Neutralac® reagents, which are environmentally-friendly, improve sludge dewatering and hygienisation and produce sludge adapted to the selected disposal route.



TREATMENT

FURTHER APPLICATIONS



POLLUTED SOILS



METALLURGICAL RESIDUES



MARINE SEDIMENTS



MINING OPERATIONS



BIOGAS

Thanks to its Neutralac® reagents and technology, Lhoist is developing new solutions to improve the removal of pollutants and reuse of materials, to treat and prevent acidification resulting from mining activities and to optimize biogas generation.



THE LHOIST OFFER

Expertise

to provide reliable and effective solutions



Reagents

selected from the Neutralac® product range to meet your specific needs



Services

offering appropriate and effective logistics, equipment and technical assistance

SOME EUROPEAN REFERENCES

Lagoon treatment

Issue: Odor control Solution: Neutralac® SL

Urban water treatment plant

Issue: Filter press dewatering optimisation

Solution: Neutralac® Q SR

Pharmaceutical industry

Issue: Phosphates removal Solution: Neutralac® SLS45

Food processing industry

Issue: Odor control

Solution: Neutralac® SL, Idra-Stock

Food processing industry

Issue: Biogas yield increase Solution: Neutralac® SLS45

Automotive industry

Issue: Heavy metals removal Solution: Neutralac® SLS45

Water treatment plant

Issue: Centrifuge dewatering optimisation

Solution: Neutralac® Calci-Flo

Chemical industry

Issue: Automated milk of lime preparation Solution: Neutralac® H, Neutralac® Stabi-Matic

Paper industry

Issue: Clarification of water by milk of lime

(from Duwa-Matic™) Solution: Neutralac® Q 90

Mining industry

Issue: Neutralisation of mining water by milk of lime (from Duwa-Matic™)

Solution: Neutralac® Q 90

Hot-rolled strip plant

Issue: Heavy metal precipitation, COD removal, oil elimination Solution: Neutralac® SLS45

Paper industry

Issue: pH stabilisation, dehardening, odor removal, process stability Solution: Neutralac® SLS45, Idra-Stock



PRODUCT RANGE

Reagents dedicated to neutralisation and stabilisation

Neutralac® C	Calcium carbonate
Neutralac® Q	Quicklime
Neutralac® H	Hydrated lime
Neutralac® SL	Milk of lime

High performance reagents for a controlled neutralisation

Neutralac® SL HR	Ready-to-use micronised milk of lime
Neutralac® SLS45*	Ready-to-use milk of lime – high reactivity and high concentration

High performance reagents to improve dewatering performances

Neutralac® Q SR	Lime with delayed reactivity for filter press
Neutralac® Calci-Flo Easy-Light*	Solid polymer/lime hybrid for centrifuge
Neutralac® Calci-Flo Opti-Light*	Liquid polymer/lime hybrid for centrifuge

^{*} Patented

Lhoist, the partner for wastewater and sludge treatment to serve the environment.

Lhoist is a multi-national company, an expert in lime, dolime and mineral products. The diversity of our product range and our industrial facilities around the world, allow the Group to be a key partner in multiple industries and business sectors.





www.lhoist.com www.neutralac.com

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CLhoist







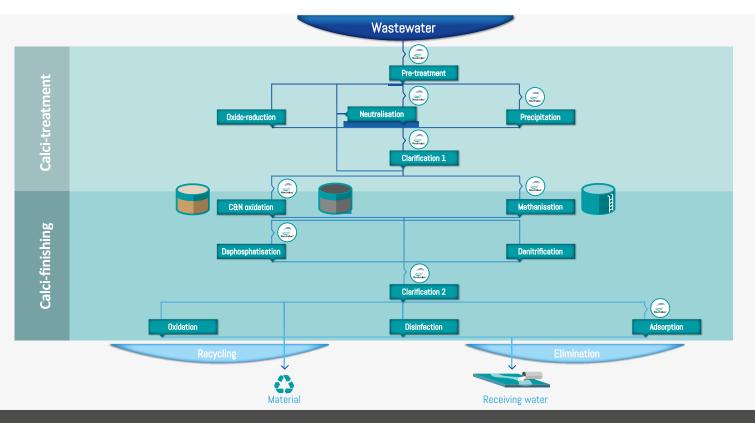
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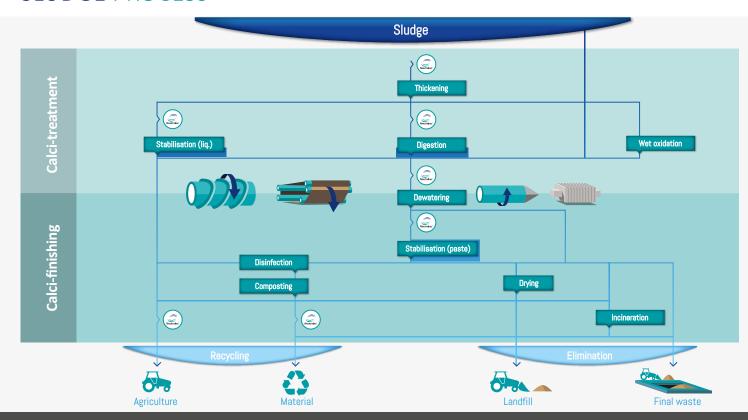


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